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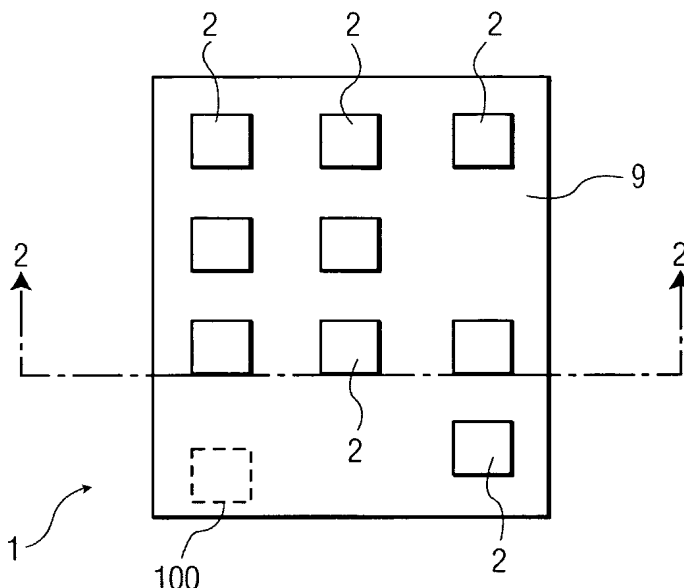
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— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE,

[Continued on next page]

(54) Title: AN ELECTROPHORETIC DISPLAY WITH REDUCED CROSS WALK



(57) Abstract: A technique for driving a bi-stable display (310) such as an electrophoretic display with reduced cross talk, including reduced image retention and dithering ghosting. Drive waveforms are aligned so that, during an image update period, image transitions (500, 600, 700, 800, 900) between substantially similar optical states (e.g., black-to-black) are terminated substantially later than image transitions (520, 620, 720, 920) between substantially different optical states (e.g., black-to-white). Additionally, a drive pulse in the waveforms for the transitions between the similar states compensates for cross talk caused by a drive pulse in the waveforms for the transitions between the different polarity states. The

waveforms include at least one extreme drive pulse (ED, ED1, ED2, ED3) and an additional pulse (A) of opposite polarity.

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